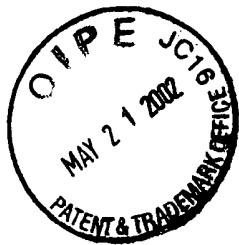


PATENT
Docket No. 235.0041 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salman Baig) Group Art Unit: 1634
Serial No.: 09/839,428)
Confirmation No.: 1751) Examiner: Ethan C. Whisenant
Filed: April 20, 2001)
For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE
INACTIVATORS



**DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**
FILED May 15, 2002

PART 1 OF 6



PATENT

Docket No. 235.0041 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salman Baig

) Group Art Unit: 1634

) Serial No.: 09/839,428

) Examiner: Ethan C. Whisenant

) Confirmation No.: 1751

) Filed: April 20, 2001

) For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE
INACTIVATORS

**DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**
FILED May 15, 2002

PART 2 OF 6



PATENT

Docket No. 235.0041 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salman Baig

Group Art Unit: 1634

Serial No.: 09/839,428

Examiner: Ethan C. Whisenant

Confirmation No.: 1751

Filed: April 20, 2001

For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE
INACTIVATORS

**DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**
FILED May 15, 2002

PART 3 OF 6



PATENT

Docket No. 235.0041 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salman Baig)

Group Art Unit: 1634

Serial No.: 09/839,428)

Examiner: Ethan C. Whisenant

Confirmation No.: 1751)

Filed: April 20, 2001)

For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE
INACTIVATORS)

**DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**
FILED May 15, 2002

PART 4 OF 6



PATENT

Docket No. 235.0041 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salman Baig)

Group Art Unit: 1634)

Serial No.: 09/839,428)

Examiner: Ethan C. Whisenant)

Confirmation No.: 1751)

Filed: April 20, 2001)

For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE
INACTIVATORS)

**DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**
FILED May 15, 2002

PART 5 OF 6



PATENT

Docket No. 235.0041 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salman Baig)

Group Art Unit: 1634)

Serial No.: 09/839,428)

Examiner: Ethan C. Whisenant)

Confirmation No.: 1751)

Filed: April 20, 2001)

For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE
INACTIVATORS)

**DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**
FILED May 15, 2002

PART 6 OF 6



PATENT
Docket No. 235.0027 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Salman Baig et al.)	Group Art Unit:	1744
)		
Serial No.:	10/018,936)	Examiner:	unknown
Confirmation No.:	8674)		
)		
Filed:	October 19, 2001)		
Int'l. Filing Date :	April 20, 2000)		

For: CYSTEINE PROTEASE AND INHIBITORS FOR PREVENTION AND
TREATMENT OF NEUROCYSTICERCOSIS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Also enclosed for the Examiner's information is a copy of International Search Report for International Application No. PCT/US00/10672. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the following pending U.S. Applications, as well as any prior art and any provisional U.S. patent applications referenced therein. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.

Information Disclose Statement

Page 2 of 2

Applicant: Salman Baig

Serial No.: 09/839,428

Confirmation No.: 1751

Filed: April 20, 2001

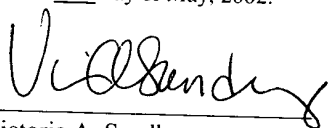
For: METHOD FOR THE IDENTIFICATION OF ACTIVE SITE PROTEASE INACTIVATORS

List of Pending Non-Published U.S. Patent Applications

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Salman Baig	09/839,428	04/20/01	60/198,685 and 60/235,123
Salman Baig	60/317,327	09/05/01	none
The University of Georgia Research Foundation, Inc., et al. titled: ACTIVE SITE INACTIVATORS	International Application number unknown	04/22/02	60/335,025 60/317,327 60/235,123 60/198,685

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.8:
The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202, on this 15th day of May, 2002.
 Victoria A. Sandberg

Respectfully submitted for
Salman Baig et al.

By

Mueting, Raasch & Gebhardt, P.A.

P.O. Box 581415

Minneapolis, MN 55458-1415

Phone: (612)305-1220

Facsimile: (612)305-1228

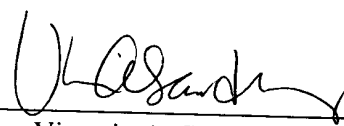
Customer Number 26813



26813

PATENT TRADEMARK OFFICE

May 15, 2002
Date

By: 
Victoria A. Sandberg
Reg. No. 41,287
Direct Dial (612)305-1226

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,938,949	07/03/1990	Borch et al.			
	5,618,542	04/08/1997	Harrison et al.			

FOREIGN PATENT DOCUMENTS

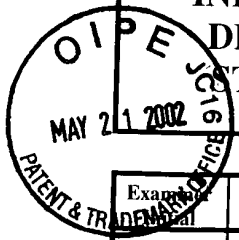
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 93/10225 A1	05/27/1993	PCT				
	WO 94/03205 A1	02/17/1994	PCT				
	WO 98/46633 A1	10/22/1998	PCT				
	WO 01/81613 A2	11/01/2001	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	Abbott et al., "Transporting therapeutics across the blood-brain barrier," <i>Mol Med Today</i> . 1996 Mar;2(3):106-13.
	Albery et al., "Evolution of enzyme function and the development of catalytic efficiency," <i>Biochemistry</i> . 1976 Dec 14;15(25):5631-40.
	Albery et al., "Efficiency and evolution of enzyme catalysis," <i>Angew Chem Int Ed Engl</i> . 1977 May;16(5):285-93.
	Ambrosio et al., "Protein uptake by cysticerci of <i>Taenia crassiceps</i> ," <i>Arch Med Res</i> . 1994 Autumn;25(3):325-30.
	Appelt et al., "Design of enzyme inhibitors using iterative protein crystallographic analysis," <i>J Med Chem</i> . 1991 Jul;34(7):1925-34.
	Baldwin et al., "Is protein folding hierarchic? II. Folding intermediates and transition states," <i>Trends Biochem Sci</i> . 1999 Feb;24(2):77-83.
	Berger et al., "Mapping the active site of papain with the aid of peptide substrates and inhibitors," <i>Philos Trans R Soc Lond B Biol Sci</i> . 1970 Feb 12;257(813):249-64.

EXAMINER
Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

Examiner Initial		Document Description
		Bergmann et al., "Acetylcholinesterase IX. Structural features determining the inhibition by amino acids and related compounds," <i>J Biol Chem.</i> 1950 Oct; 186(2):693-703.
		Bojalil et al., "Thymus-related cellular immune mechanisms in sex-associated resistance to experimental murine cysticercosis (<i>Taenia crassiceps</i>)," <i>J Parasitol.</i> 1993 Jun;79(3):384-9.
		Cannon et al., "A perspective on biological catalysis," <i>Nat Struct Biol.</i> 1996 Oct; 3(10):821-33.
		Carmona et al., "Cathepsin L proteinase secreted by <i>Fasciola hepatica</i> in vitro prevents antibody-mediated eosinophil attachment to newly excysted juveniles," <i>Mol Biochem Parasitol.</i> 1993 Nov;62(1):9-17.
		Carpio et al., "Is the course of neurocysticercosis modified by treatment with antihelminthic agents?" <i>Arch Intern Med.</i> 1995 Oct 9;155(18):1982-8.
		Center for Disease Control and Prevention, "Update: International Task Force for Disease Eradication, 1992," <i>MMWR Morb Mortal Wkly Rep.</i> 1992 Sep 18; 41(37):691, 697-8.
		Cleland, "Isotope effects: determination of enzyme transition state structure," <i>Methods Enzymol.</i> 1995;249(D):341-73.
		Cornford, "Glucose utilization rates are linked to the internal free glucose gradient in the rat tapeworm," <i>Exp Parasitol.</i> 1990 Jan;70(1):25-34.
		Cruz et al., "Operational studies on the control of <i>Taenia solium</i> taeniasis/cysticercosis in Ecuador," <i>Bull World Health Organ.</i> 1989;67(4):401-7.
		Cruz-Revilla et al., " <i>Taenia crassiceps</i> cysticercosis: protective effect and immune response elicited by DNA immunization," <i>J Parasitol.</i> 2000 Feb; 86(1):67-74.
		Cserr et al., "Cervical lymphatics, the blood-brain barrier and the immunoreactivity of the brain: a new view," <i>Immunol Today.</i> 1992 Dec;13(12):507-12.
		Cysticercosis Working Group in Peru 1993, "The marketing of cysticercotic pigs in the Sierra of Peru," <i>Bull World Health Organ.</i> 1993;71(2):223-8.
		Damian, "The exploitation of host immune responses by parasites," <i>J Parasitol.</i> 1987 Feb;73(1):3-13.

EXAMINER**Date Considered**

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

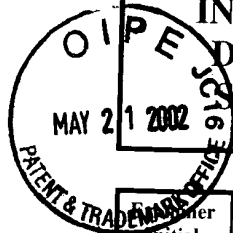
Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744



Examiner Initial	Document Description
	Damian, "Molecular cell biology of parasites and vectors," Grant Abstract, Grant Number 5T32AI007322-10 [online]. National Institutes of General Medical Sciences, National Institutes of Health, Bethesda, MD; project dates 1998-09-01 to 1999-05-31 [retrieved on 2002-01-10]. Retrieved from the Internet: URL: < ">http://commons.cit.nih.gov/crisp3/CRISP_LIB.getdoc?textkey=2390158&p_grant_num=5T32AI007322-10&p_query=&ticket=183278&p_audit_session_id=2009769&p_keywords=> >, 1 page.
	Del Brutto et al., "Therapy for neurocysticercosis: a reappraisal," <i>Clin Infect Dis</i> . 1993 Oct;17(4):730-5.
	Doenhoff et al., "The immune dependence of chemotherapy," <i>Parasitol Today</i> , 7:(1)16-18 (1991).
	Donnelly et al., "DNA vaccines," <i>Annu Rev Immunol</i> . 1997;15:617-48.
	Dunn et al., " <i>Taenia crassiceps</i> : temperature, polycations, polyanions, and cysticercal endocytosis," <i>Exp Parasitol</i> . 1984 Aug;58(1):110-24.
	Eakin et al., "Amplification and sequencing of genomic DNA fragments encoding cysteine proteases from protozoan parasites," <i>Mol Biochem Parasitol</i> . 1990 Feb;39(1):1-8.
	Enzyme Systems Products, "Blocking Groups," product literature, Livermore, CA, undated; 1 page.
	Enzyme Systems Products, "7-Amino-4-Trifluoromethyl Coumarin (AFC)," product literature, Livermore, CA, undated; 7 pages.
	Erickson et al., "Design, activity, and 2.8 Å crystal structure of a C ₂ symmetric inhibitor complexed to HIV-1 protease," <i>Science</i> . 1990 Aug 3;249(4968):527-33
	Esser et al., "The effects of fluoromethyl ketone inhibitors of cathepsin B on adjuvant induced arthritis," <i>J Rheumatol</i> . 1993 Jul;20(7):1176-83.
	Evans et al., "Controversies in the management of cysticercosis," <i>Emerg Infect Dis</i> . 1997 Jul-Sep;3(3):403-5.
	Fersht, "Enzyme - substrate complementarity and the use in binding energy in catalysis," Chapter 12 in <i>Enzyme Structure and Mechanism</i> , 2nd ed.; W. H. Freeman & Company, New York, NY; pp. 311-346 (1985).

EXAMINER	Date Considered
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

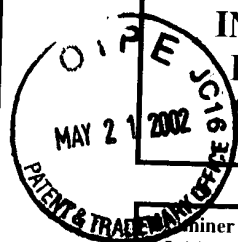
Group: 1744

Examiner Initial	Document Description
	Fersht et al., "Reconstruction by site-directed mutagenesis of the transition state for the activation of tyrosine by the tyrosyl-tRNA synthetase: a mobile loop envelopes the transition state in an induced-fit mechanism," <i>Biochemistry</i> . 1988 Mar 8;27(5):1581-7.
	Flisser "Neurocysticercosis in Mexico" <i>Parasitol. Today</i> 4:131-137 1998.
	Freeman, "Studies on the biology of <i>Taenia crassiceps</i> (Zeder, 1800) Rudolphi, 1810 (Cestoda)," <i>Canadian Journal of Zoology</i> , 1962;409:969-990.
	Garcia et al., "Cysticercosis as a major cause of epilepsy in Peru," <i>Lancet</i> . 1993 Jan 23;341(8839):197-200.
	Garcia et al., "Serologic evolution of neurocysticercosis patients after antiparasitic therapy," <i>J Infect Dis</i> . 1997 Feb;175(2):486-9.
	Gonzalez et al., "Treatment of porcine cysticercosis with albendazole," <i>Am J Trop Med Hyg</i> . 1995 Nov;53(5):571-4.
	Gossrau et al., "Proteases," Chapter XVIII in <i>Electron Microscopic Cytochemistry and Immunocytochemistry in Biomedicine</i> , Ogawa et al., eds.; CRC Press, Boca Raton, FL; pgs. 228-240 (1993).
	Harth et al., "Peptide-fluoromethyl ketones arrest intracellular replication and intercellular transmission of <i>Trypanosoma cruzi</i> ," <i>Mol Biochem Parasitol</i> . 1993 Mar;58(1):17-24.
	Hashida, et al., "Inhibitions by E-64 derivatives of rat liver cathepsin B and cathepsin L <i>In Vitro</i> and <i>In vivo</i> ," <i>J Biochem (Tokyo)</i> . 1980;88(6):1805-1811.
	Hayunga et al., "Evidence for selective incorporation of host immunoglobulin by strobilocerci of <i>Taenia taeniaeformis</i> ," <i>J Parasitol</i> . 1989 Aug;75(4):638-42.
	Hoffman et al., "Toward clinical trials of DNA vaccines against malaria," <i>Immunol Cell Biol</i> . 1997 Aug;75(4):376-81.
	Hustead et al., "Permeability studies on taenid metacestodes: I. Uptake of proteins by larval stages of <i>Taenia taeniaeformis</i> , <i>T. crassiceps</i> , and <i>Echinococcus granulosus</i> ," <i>J Parasitol</i> . 1977 Apr;63(2):314-21.
	Jencks, "Economics of enzyme catalysis," in <i>Cold Spring Harbor Symposia on Quantitative Biology, Volume LII</i> , 65-73 (1987).

EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

Examiner Initial	Document Description
	Johnson, et al., "Changes in absorption spectrum and crystal structure of triose phosphate isomerase brought about by 2-phosphoglycollate, a potential transition state analogue," <i>J Mol Biol.</i> 1970 Jan 14;47(1):93-100.
	Kalinna et al., "An IgG (Fc gamma)-binding protein of <i>Taenia crassiceps</i> (Cestoda) exhibits sequence homology and antigenic similarity with schistosome paramyosin," <i>Parasitology.</i> 1993 Apr;106(Pt 3):289-96.
	Kamphuis et al., "Structure of papain refined at 1.65 Å resolution," <i>J Mol Biol.</i> 1984 Oct 25;179(2):233-56.
	Khalil et al., "Demonstration of <i>Taenia crassiceps</i> cysteine proteinase activity in tegumentary lysosome-like vesicles," <i>J Parasitol.</i> 1998 Jun;84(3):513-5.
	Kraut, "How do enzymes work?" <i>Science.</i> 1988 Oct 28;242(4878):533-40.
	Kreevoy et al., "Transition state theory," Chapter 1 in <i>Techniques of Chemistry – Investigation of Rates and Mechanisms of Reactions</i> , Vol. 6, 4th ed. (Bernasconi, ed.) John Wiley & Sons, Inc., New York, NY, 13-97 (1986).
	Kubinyi, "Chance favors the prepared mind – from serendipity to rational drug design," <i>J Recept Signal Transduct Res.</i> 1999 Jan-Jul;19(1-4):15-39.
	Ladbury et al., "Turning up the heat on rational drug design," <i>Biotechnology (NY).</i> 1994 Nov;12(11):1083-5.
	Lahana, "How many leads from HTS?" <i>Drug Discov Today.</i> 1999 Oct;4(10):447-448.
	Levin, "Relationship of octanol/water partition coefficient and molecular weight to rat brain capillary permeability," <i>J Med Chem.</i> 1980 Jun;23(6):682-4.
	Ma et al., "Transition-state ensemble in enzyme catalysis: possibility, reality, or necessity?" <i>J Theor Biol.</i> 2000 Apr 21;203(4):383-97.
	Male, "Immunology of brain endothelium and blood-brain barrier," Chapter 16 in <i>Physiology and Pharmacology of the Blood-brain Barrier</i> , Bradbury, ed.; Springer-Verlag, Berlin, Germany; pgs. 397-415 (1992).
	Maniatis et al., <i>Molecular Cloning: A Laboratory Manual</i> , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, cover page and table of contents (1982).
	McCormick, "Cysticercosis--review of 230 patients," <i>Bull Clin Neurosci.</i> 1985;50:76-101.

EXAMINER**Date Considered**

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

Examiner
Initial

Document Description

McKerrow et al., "Cysteine protease inhibitors as chemotherapy for parasitic infections," *Bioorg Med Chem.* 1999 Apr;7(4):639-44.

Ménard et al., "A protein engineering study of the role of aspartate 158 in the catalytic mechanism of papain," *Biochemistry.* 1990 Jul 17;29(28):6706-13.

Ménard et al., "Importance of hydrogen-bonding interactions involving the side chain of Asp158 in the catalytic mechanism of papain," *Biochemistry.* 1991 Jun 4;30(22):5531-8.

Menger, "Analysis of ground-state and transition-state effects in enzyme catalysis," *Biochemistry.* 1992 Jun 16;31(23):5368-73.

Meunier et al., "Regulatory behavior of monomeric enzymes. 2. A wheat-germ hexokinase as a mnemonical enzyme," *Eur J Biochem.* 1974 Nov 1;49(1): 209-23.

Moczón, "Histochemistry of proteinases in the cercariae of *Diplostomum pseudospathaceum* (Trematoda, Diplostomatidae)," *Parasitol Res.* 1994; 80(8):684-6.

Moczón, "Histochemistry of proteinases in the cercariae of *Diplostomum pseudospathaceum* (Trematoda, Diplostomatidae)," *Parasitol Res.* 1994; 80(8):684-6.

Molinari et al., "Immunization against porcine cysticercosis in an endemic area in Mexico: a field and laboratory study," *Am J Trop Med Hyg.* 1993 Oct;49(4): 502-12.

Molinari et al., "Effects of serum from neurocysticercosis patients on the structure and viability of *Taenia solium* oncospheres," *J Parasitol.* 1993 Feb;79(1):124-7.

Molinari et al., "Field trial for reducing porcine *Taenia solium* cysticercosis in Mexico by systematic vaccination of pigs," *Vet Parasitol.* 1997 Apr;69(1-2): 55-63.

Morita et al., "New fluorogenic substrates for α -thrombin, factor Xa, kallikreins, and urokinase," *J Biochem (Tokyo).* 1977 Nov;82(5):1495-8.

Murphy, "Revisiting ground-state and transition-state effects, the split-site model, and the 'fundamentalist position' of enzyme catalysis," *Biochemistry.* 1995 Apr 11;34(14):4507-10.

Murrell et al., "Respiration studies and glucose absorption kinetics of *Taenia crassiceps* larvae," *J Parasitol.* 1968 Dec;54(6):1147-50.

EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

Examiner
Initial

Document Description

Padma et al., "Albendazole in neurocysticercosis," *Natl Med J India*. 1995 Nov-Dec;8(6):255-8.

Pappas et al., "Taenia crassiceps: absorption of hexoses and partial characterization of Na +-dependent glucose absorption by larvae," *Exp Parasitol*. 1973 Feb;33(1):127-37.

Parril, et al., eds., *Rational Drug Design: Novel Methodology and Practical Applications*, ACS Symposium Series 719, American Chemical Society, Washington, DC; title page, publisher's page and table of contents: 4 pgs (1999).

Pauling, "Molecular architecture and biological reactions," *Chem Eng News*. 1946 May 25;24(10):1375-77.

Pauling, "Nature of forces between large molecules of biological interest," *Nature*. 1948 May 8;161(4097):707-9.

Pettersson, "Effect of evolution on the kinetic properties of enzymes," *Eur J Biochem*. 1989 Oct 1;184(3):561-6.

Polgár, "The different mechanisms of protease action have a basic feature in common: proton transfer from the attacking nucleophile to the substrate leaving group," *Acta Biochim Biophys Hung*. 1988;23(3-4):207-13.

Radzicka et al., "Transition state and multisubstrate analog inhibitors," Chapter 9 in *Contemporary Enzyme Kinetics and Mechanism*, 2nd ed., (Purich, ed.) Academic Press, San Diego, CA; pp. 229-257 (1996).

Ricard, "Generalized microscopic reversibility, kinetic co-operativity of enzymes and evolution," *Biochem J*. 1978 Dec 1;175(3):779-91.

Roberts et al., "Rational design of peptide-based HIV proteinase inhibitors," *Science*. 1990 Apr 20;248(4953):358-61.

Salas et al., "Functional expression of falcipain, a *Plasmodium falciparum* cysteine proteinase, supports its role as a malarial hemoglobinase," *Infect Immun*. 1995 Jun;63(6):2120-5.

Salazar-Schettino et al., "Customs which predispose to Chagas' disease and cysticercosis in Mexico," *Am J Trop Med Hyg*. 1983 Sep;32(5):1179-80.

Schantz et al., "Surveillance and control programs for cestode diseases," Chapter 35 in *Parasitic Diseases: Treatment and Control*, Miller et al., eds; CRC Press, Boca Raton, FL; pgs. 275-290 (1989).

EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

Examiner Initial	Document Description
	Schantz et al., "Neurocysticercosis in an Orthodox Jewish community in New York City," <i>N Engl J Med.</i> 1992 Sep 3;327(10):692-5.
	Schowen, "Catalytic power and transition-state stabilization," Chapter 2 in <i>Transition States of Biochemical Processes</i> (Gandour et al., eds.), Plenum Press, New York, NY; pp. 77-114 (1978).
	Sciutto et al., "Cysticercosis vaccine: cross protecting immunity with <i>T. solium</i> antigens against experimental murine <i>T. crassiceps</i> cysticercosis," <i>Parasite Immunol.</i> 1990 Nov;12(6):687-96.
	Service, "Structural genomics offers high-speed look at proteins," <i>Science.</i> 2000 Mar 17;287(5460):1954-6.
	Shandera et al., "Neurocysticercosis in Houston, Texas. A report of 112 cases," <i>Medicine (Baltimore).</i> 1994 Jan;73(1):37-52.
	Shaw et al., "The specificity of cathepsin B," <i>Acta Biol Med Ger.</i> 1981; 40(10-11):1503-11.
	Shaw, "CysteinyI proteinases and their selective inactivation," in <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , (Meister, ed.), John Wiley & Sons, Inc., New York, NY; 63:271-347 (1990).
	Siebert et al., " <i>Taenia crassiceps</i> : effect of normal and immune serum on metacestodes <i>in vitro</i> ," <i>Exp Parasitol.</i> 1979 Aug;48(1):164-74.
	Smith et al., "The use of amino acid derivatives of 4-methoxy- β -naphthylamide for the assay and subcellular localization of tissue proteinases," Vol. 4, Chapter 8 in <i>Lysosomes in Biology and Pathology</i> (part of series <i>Frontiers of Biology</i>), North Holland Pub. Co., Amsterdam, London; pgs. 193-249 (1975).
	Sotelo et al., "Therapy of parenchymal brain cysticercosis with praziquantel," <i>N Engl J Med.</i> 1984 Apr 19;310(16):1001-7.
	Sotelo et al., "Albendazole vs praziquantel for therapy for neurocysticercosis. A controlled trial," <i>Arch Neurol.</i> 1988 May;45(5):532-4.
	Szedlacsek et al., "Kinetics of slow and tight-binding inhibitors," <i>Methods Enzymol.</i> 1995;249:144-80.
	Tchoupé et al., "Photometric or fluorometric assay of cathepsin B, L and H and papain using substrates with an aminotrifluoromethylcoumarin leaving group," <i>Biochim Biophys Acta.</i> 1991 Jan 8;1076(1):149-51.

EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744

Examiner Initial	Document Description
	Threadgold et al., " <i>Taenia crassiceps</i> : regional variations in ultrastructure and evidence of endocytosis in the cysticercus' tegument," <i>Exp Parasitol.</i> 1983 Feb;55(1):121-31.
	Threadgold et al., " <i>Taenia crassiceps</i> : basic mechanisms of endocytosis in the cysticercus," <i>Exp Parasitol.</i> 1984 Dec;58(3):263-9.
	Toledo et al., "Towards a <i>Taenia solium</i> cysticercosis vaccine: an epitope shared by <i>Taenia crassiceps</i> and <i>Taenia solium</i> protects mice against experimental cysticercosis," <i>Infect Immun.</i> 1999 May;67(5):2522-30.
	Tsai et al., "Use of an Eigenmode method to locate the stationary points of the potential energy surfaces of selected argon and water clusters," <i>J Phys Chem.</i> 1993;97(43):11227-11237.
	Tsang et al., " <i>Taenia solium</i> cysticercosis: an under-recognized but serious public health problem," <i>Parasitol. Today</i> , 1995;11(3):124-126.
	Vacca et al., "L-735,524: an orally bioavailable human immunodeficiency virus type 1 protease inhibitor," <i>Proc Natl Acad Sci U S A.</i> 1994 Apr 26;91(9):4096-100.
	van Duijnen et al., "On the role of the active site helix in papain, an <i>ab initio</i> molecular orbital study," <i>Biophys Chem.</i> 1979 Mar;9(3):273-80.
	van Duijnen et al., "Active-site α -helix in papain and the stability of the ion pair RS $^{\cdot-}$ IMH $^+$. <i>Ab initio</i> molecular orbital study," <i>Intl J Quantum Chem</i> , 1980; 17:651-671.
	van Duijnen et al., "On the role of the active site helix in papain, an <i>ab initio</i> molecular orbital study," <i>Biophys Chem.</i> 1979 Mar;9(3):273-80.
	Villa et al., "Mice infected with the larvae of <i>Taenia crassiceps</i> exhibit a Th2-like immune response with concomitant anergy and downregulation of Th1-associated phenomena," <i>Parasitology.</i> 1996 Jun;112(Pt 6):561-70.
	Voet et al., <i>Biochemistry</i> , 2 nd ed., John Wiley and Sons, New York, NY; title page, publisher's page and pp. 371-400 (1995).
	Wang et al., "The double catalytic triad, Cys25-His159-Asp158 and Cys25-His159-Asn175, in papain catalysis: role of Asp158 and Asn175," <i>Protein Eng.</i> 1994 Jan;7(1):75-82.

EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 235.00270101

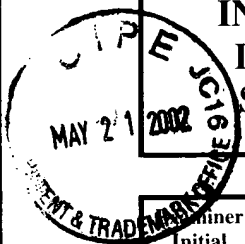
Serial No.: 10/018,936

Applicant(s): Salman Baig et al.

Confirmation No.: 8674

Filing Date: October 19, 2001

Group: 1744



Examiner Initial	Document Description
	Wang et al., "Induction of antigen-specific cytotoxic T lymphocytes in humans by a malaria DNA vaccine," <i>Science</i> . 1998 Oct 16;282(5388):476-80.
	White, Jr. et al., "Detection and preliminary characterization of <i>Taenia solium</i> metacestode proteases," <i>J Parasitol</i> . 1992 Apr;78(2):281-7.
	White, Jr. et al., "Host-parasite interactions in <i>Taenia solium</i> cysticercosis," <i>Infect Agents Dis</i> . 1992 Aug;1(4):185-93.
	White, Jr. et al., " <i>Taenia saginata</i> oncosphere excretory/secretory peptidases," <i>J Parasitol</i> . 1996 Feb;82(1):7-10.
	White, Jr. et al., " <i>Taenia solium</i> cysticercosis: host-parasite interactions and the immune response," <i>Chem Immunol</i> . 1997;66:209-30.
	White, Jr., "Neurocysticercosis: a major cause of neurological disease worldwide," <i>Clin Infect Dis</i> . 1997 Feb;24(2):101-13.
	White, Jr. et al., "Characterization of a cysteine proteinase from <i>Taenia crassiceps</i> cysts," <i>Mol Biochem Parasitol</i> . 1997 Apr;85(2):243-53.
	Wolfenden, "Conformational aspects of inhibitor design: enzyme-substrate interactions in the transition state," <i>Bioorg Med Chem</i> . 1999 May;7(5):647-52.
	Wray et al., "Silver staining of proteins in polyacrylamide gels," <i>Anal Biochem</i> . 1981 Nov 15;118(1):197-203.
	Zakroff et al., "The IgE and IgG subclass responses of mice to four helminth parasites," <i>Cell Immunol</i> . 1989 Mar;119(1):193-201.

EXAMINER

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.